

**To:** Peter Butler[butlerpeter2@gmail.com]  
**From:** Schmittdiel, Paula  
**Sent:** Wed 3/19/2014 12:07:43 AM  
**Subject:** RE: Arrastra Characterization

Peter – Thanks for the documents on Arrastra gulch. I will try and look at them before Thursday. I would like to call in for the meeting. I know you have encouraged folks to attend in person but that isn't possible this month. I hope that is OK to call in??

Paula Schmittdiel

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**From:** Peter Butler [mailto:butlerpeter2@gmail.com]  
**Sent:** Tuesday, March 18, 2014 5:59 PM  
**To:** Bill Simon; Steve Fearn; Larry Perino; Lisa Richardson; Kay Zillich; Kirstin Brown; Brent Lewis; Jason Willis ; Ty Churchwell; Chuck Wanner; Chris Peltz; Todd Hennis; tchatwin@inap.com.au; Tom Grant; James.Bush@ch2m.com; jferguson@cologold.com; Katie Walton-Day; Rob Runkel; Way, Steven; Craig Gander; David Heinze; digiorgio.monique@gmail.com; Schmittdiel, Paula; Bonie Pate  
**Subject:** Arrastra Characterization

Dear Technical Workgroup –

Attached are some documents related to Arrastra Gulch.

The first is an initial cut of the impacts of Arrastra on the Animas River. Basically, Arrastra has lower metal concentrations and provides dilution to the Animas. The four samples at the mouth

of Arrastra were taken by WQCD in 2009 -10 and were the basis for listing of Arrastra for zinc and cadmium on the 303(d) list. The concentrations are not that high, but the hardness is quite low resulting in low metal standards.

The next document is a report on Arrastra from 2004. We have no reason to believe this report isn't applicable today, but we should show that water quality has not changed over the past ten years. This report does show significant environmental impacts at Silver Lake.

The last document is a list of project questions and goals that Bill Simon put together last year to address issues in Arrastra Gulch. This is the document I would like you to try to look at before Thursday afternoon. Thanks.

Peter Butler

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